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NO 25

How to Cultivate Sugar Beets.

The following are the general instructions issued by Richard Gird probably the largest grower of beets in the world to the farmers of China for their guidance in their best farming operations and are reproduced for the benefit of the Pecos Valley farmers through the courtesy of the China Companion. They will be interesting to all who are studying the beet sugar industry:

PREPARING THE SOIL.

In preparing the soil for sugar beets it is of the utmost importance to have it in a thoroughly pulverized condition, to at least a depth of from 8 to 12 inches being careful not to turn up too much new, cold soil to the surface, but each successive year the plowing could be run to a greater depth to bring up fresh soil to be created. Twelve inches should be the maximum depth at the third year's cultivation.

CARING FOR SOIL BEFORE SOWING.

In order to insure the germination of the seed the land should be plowed and harrowed for some days before the seed is planted in order for the land to become settled and packed, allowing the moisture to raise and thoroughly distribute itself near the surface. There are some soils which would be very benefited by running a subsoiler to the depth of four, five or six inches below the bottom of the surface plow and to loosen up and give the roots a chance to penetrate without turning the cold soil to the surface. The spring plowing should be shallow and the ground well harrowed down and left to settle before planting.

SOWING.

The seed should be sown in drills from eighteen to twenty inches apart with from 12 to 18 pounds to the acre. The seed must be covered with from an inch to an inch and a half of earth, according to the condition of the moisture of the soil and must be sown evenly everywhere this being the only means to insure equal growth and for the plants to come up at the same time. This is of the utmost importance and should not be neglected; and in sowing care should be taken to see that the seed is properly covered.

THINNING.

The beets should be thinned as soon as possible after they are fairly up, to the distance of from 6 to 12 inches in the row according to the seed. In the richer, moist lands the distance between the rows should be less and the beets closer together in the row, and vice versa in the drier, lighter soils. This work of proper thinning is of the greatest importance and under no consideration should be neglected. It should be done both the quantity and quality of the beet. Care should be taken in thinning to leave the strongest and most vigorous plants and to remove the weak and roughly trim the row for at least two and one-half inches on both sides.

CULTIVATION.

Cultivation should commence while the horses are plowing as soon as the beets are sufficiently up to admit the row being followed. This can be done soon after thinning particularly if soil is in good uniform mellow condition. This cultivation should be repeated three or four times or as often as any weeds show themselves; and finally the ground between the rows should be cultivated with certain teeth in order to leave the ground loose to a considerable depth in the final cultivation.

HARVESTING.

When the beets are ripe according to the test made by the factory and are gathered in they should be plowed or pulled out from the ground by a special machine. Then with a sharp knife the tops with the leaves are cut off and left on the ground a fertilizer to be plowed in. The beets having been thrown in piles are ready for delivery and should be picked up in baskets and carefully loaded into wagons in order to avoid too much dirt, or in some instances, stones being taken to the factory which add to the cost and are otherwise objectionable.

Each farmer should take particular pains to study the characteristics of his own soil with reference to the success attained by the different kinds of seed, different times of planting and different manner of cultivation in order that he may become proficient in the culture of his own particular spot of ground and attain the best results.

GOOD RESULTS IN PROPORTION TO CARE.

There is no crop which will repay the farmer better for the care and labor devoted to it and the amount of sugar contained in the beets is far exceeded by the care and cultivation given to the crop at the proper time.

MORE ABOUT FLOWERS.

The land to be planted in beets should be plowed deeply during the fall and winter and plow in the spring deep enough to thoroughly loosen up the soil a year by mail.

ground just before planting. In case of the moist and semi moist land, the deep plowing should be done as soon as possible after the best harvesting is finished, this is important and must be carried out.

The China beet farmers have had three years' experience; many of them being quite experts in the business, and deserving great credit for what they have so far accomplished. Beet culture is however the study of a lifetime and perfect excellence can only be attained by constant study and comparing results from each year's experience.

From the experience gained on the China Beet Sugar plantation it is believed that all those soils warm enough to bear deep plowing should be so plowed, turning the wire worms under to such a depth as they can not get back to the surface in time to effect the young beets until they have made sufficient growth to defend their work. Also that packing the loose surface after the beets are up with a roller facilitates the growth of the beet and hinders the work of the wire worm by obstructing its movements which is so far the only enemy of the beet discovered on the China.

The results already obtained by the greater portion of the communities engaged in this industry in Germany where sugar beet culture and beet sugar manufacture have reached their greatest perfection have conducted to the great advantage of all concerned and the conservatism of political institutions as all classes become alike interested in the maintenance of property rights and that security necessary for the profitable development of the soil and peaceful enjoyment of its rewards. The experience in Europe has been that wealth and prosperity have followed this industry, the land not only yielding the additional income due to the beet crop but increasing in general productiveness for other crops besides relieving the market of overproduction.

Tracy & Melkwan keep a full line of Clark's Cutaway Harrows. Call and see them.

The Keltree Barber Shop.

I have secured the services of Prof. C. E. Eassley, the finest artist in the whole southwest. We also have the reclining and revolving chairs, and the largest bath tub in the city. Gentlemen's laundry attended to when left in the shop. Both the county papers, the latest dailies and periodicals are always on our table.

J. M. SUMMERY, Colored Barber.
Blue Front.

An Apartment.

This is to certify that on May 11th, I walked to Melk's drug store on a pair of crutches and bought a bottle of Chamberlain's Pain Balm for inflammatory inflammation which had crippled me up. After using three bottles I am completely cured. I can cheerfully recommend it. H. Charles H. Wetzel, Sanbury, Pa.

Sown and submitted to before me on Augt 10, 1894.—Walter Chapman, J. P. For sale at 50 cents per bottle by Wally Drug Co.

NOTES OF SALE OF IMPROVED STOCK.

Notice is hereby given that on Thursday, April 28th, at 2 p. m., I will sell one black stud burro, at my place, for pound charges. J. J. RASCOR.

Marshall.

If You Are Interested in Irrigation or fruit growing matter, send your name or a postal card for a sample copy of "Practical Irrigation and Fruit Growing," Rowell, N. M. Illustrated monthly magazine.

House to rent. Enquire at this office.

NOTICE TO CONTRACTORS.

A beet sugar factory will be built at Eddy, New Mexico, of brick and stone, of dimensions as follows:

Main building..... 151 by 46
One ell..... 108 by 32
One ell..... 65 by 30

Three stories in height; total height of walls thirty-three feet.

Work will be let by contract.

Plans and specifications now ready. For further particulars call on or address,

THE PECOS VALLEY BEET SUGAR CO.,
Eddy, New Mexico.

It behoves every citizen in city, town and country to keep posted on the stirring events that will occur in this country and in the Old World within the next nine months. The results will affect all, personally, directly or indirectly. This nation is on the eve of the most exciting presidential campaign in its history; European politics are in a very complicated state, and scientists are applying their discoveries to many lines that will produce startling new things.

To keep abreast with the world one should read, in addition to the local or county paper, a live metropolitan newspaper, such as the Twice-a-Week Republic of St Louis. It is the most progressive journal in the United States, and in each issue it gives the latest political news of all parties in the field, the more general news of the world and many valuable special features besides. This model newspaper is delivered twice-a-week by mail for only \$1 a year, or less than one cent a copy.

The price of the Daily and Sunday Republican has recently been reduced to only \$1 a year by mail.

BITTING'S... HEADQUARTERS

For this Part
Of The Earth.

For Everything at Fair Figures Go To

Don't you be the last person
In the World
To Find Out
Where The Best Goods
Are Sold Cheap.

PUBLIC PROGRESS.

GOOD INFLUENCE OF TOWN IMPROVEMENT SOCIETIES.

A Popular Institution in California—Beneficial Results of Co-operation in the Town's Interest—Value of Taxable Property Increased.

An analysis of the record of most California communities shows very conclusively the beneficial effects of co-operation in the interest of public improvement. Almost invariably the movement for public improvement has manifested itself on the lines, if not actually in the form, of village improvement societies, institutions of New England origin.

In California the town of Berkeley is entitled to the credit of importing the New England method of town improvement to that side of the continent, for the first Town Improvement society of which any record exists in the state is the one organized under the shadow of the University of California, for the avowed purpose of stimulating the construction of better streets and sidewalks, the development of a satisfactory system of drainage and a general improvement in the ornamentation of private property, all of which it accomplished in due season. The general idea of the Berkeley Town Improvement society was the same as that of the parent organization at Stockbridge, Mass., and while in the case of Berkeley there was neither park nor burial place involved in the movement the general results were much the same. The town has been provided with good macadamized streets, concrete sidewalks and a splendid system of drainage, without involving any extraordinary burden upon property owners, and every owner of an improved lot has entered into a quiet and inexpensive competition with his neighbor as to who shall have his property in the best and most attractive shape.

The Yosemite Valley road will begin at Merced, which is on the line of the Southern Pacific railroad, and is now the starting place for the stages running into the Yosemite National park. The scenery through the canyon is especially fine, and in some parts is as grand as any in California. The railroad will run through some rich mining districts and will depend for its profits as much on its freight as its passenger business. It will run also near rich quarries of marble, lime and granite and forests of sugar pine and other timber, all of which, it is expected, will produce business.

The incorporators are well known to San Francisco capitalists. The president of the road says a final location survey will be made soon, and the work of grading the roadbed will be begun early the coming summer. It is expected that the road will increase very greatly the number of sightseers in the Yosemite. The present means of reaching the valley make the trip slow and expensive, while the railroad will make it quick and comparatively cheap. Every consideration will be given in laying out the route to the scenic surroundings.—New York Sun.

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Gents' Furnishings
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The Off Talked of Project at Last to Be Carried Out.

The often proposed and much opposed project of a railroad into the Yosemite Valley is about to be carried out. The Yosemite Valley and Merced Railway company was incorporated in San Francisco last week with a capital of \$1,500,000, of which \$900,000 was subscribed, and the incorporators promise to begin work on the railroad at once and push it to completion as quickly as the contractors can do the work.

There have been many propositions build such a road, but every suggestion has been received with a storm of protests. The usual ground of protest has been that a railroad would destroy the beauty of the region and be an agent for vandalism. The later schemes have been for an electric railroad, the argument being that such a road would possess none of the objectionable features of a steam railroad. None of the former schemes took practical shape. There seems no doubt that the present project will go through, and the road will be a regular standard gauge steam railroad. Surveys were made a year or more since by a company which proposed to build an electric road, and these surveys have been purchased by the new company.

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There are now excellent machines for milk bottling. They are an absolute necessity where much milk is sold.

It is astonishing how quickly and kindly the whole public took to bottled milk-bottled on the farm. Any other article is now considered to be not above suspicion as to its cleanliness among city people who are at all particular as to what they eat and drink.

The farmers' cows mostly calve in the spring. Those coming in should have particular care and attention both before and after. For a month before calving the cow should be fed plenty of cooling and juicy food. Roots and ensilage are particularly agreeable to her. Remember that corn is heating and apt to make the breeding cow feverish. Do not give much corn or grain of any kind. Observe her udder, and if it shows signs of caking milk her occasionally before the calf is born. If the weather is very cold, warm the water she drinks to about 80 degrees.

If the "filled cheese" fraud does not destroy the market abroad, this country will produce in a few years American cheeses equal to the best anywhere. Cheddar cheeses, take courage and keep on trying. Learn all you can, be as exquisitely clean and careful as if it were a matter of life and death for you to be so. It is. Try new ways of doing things, going slow at first and experimenting on a small scale. The man who makes the best soft cream cheese in the country hits upon his specialty in this way. Other men can hit it with other cheeses as well.

W. A. KERR,

General Merchandise.

Fancy Groceries

A Specialty.

W. A. MILLER,

Painter and Decorator,

Gallery of Fine Arts.

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PICTURE FRAMES, ROOM MOULDING, PICTURE MOULDING

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